

DERWENT-ACC-NO: 1975-41666W

DERWENT-WEEK: 197525

COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Thickening agent for various polymer emulsions
- consists of colloidal silica

PATENT-ASSIGNEE: NIPPON SHOKUBAI KASE[JAPC]

PRIORITY-DATA: 1973JP-0025392 (March 3, 1973)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
<u>JP 49113839 A</u>	October 30, 1974	N/A
000 N/A		
JP 77026257 B	July 13, 1977	N/A
000 N/A		

INT-CL (IPC): C08F002/22, C08F218/04 , C08F220/12 , C08J003/02 ,
C08L031/02 , C08L033/06

ABSTRACTED-PUB-NO: JP 49113839A

BASIC-ABSTRACT:

Colloidal silica (I) was used as thickening agent for emulsions of polymers from >1 of isoprene, vinyl chloride vinylidene chloride, styrene, acrylic acid, methacrylic acid, acrylonitrile, Me acrylate, Bu acrylate, ME methacrylate, vinyl acetate, and vinyl propionate and were added during or after the emulsion polymn. In an example a mixt. of 80, a 20% aq. anionic surfactant soln. 20, a 20% aq. nonionic surfactant soln. 19, NaHCO₃ 0.4, and a 30% colloidal (I) 6g at 70-5 degrees was mixed with 34g water contg. 0.7g K₂S₂O₈, 25 g 58:42 Me methacrylate-2-ethylhexyl acrylate, treated with 75g of the same monomer mixt. during 3 hr. stirred at 85 degrees for 1.5 hrs. and used to prep. 2-ethylhexyl acrylate-methyl methacrylate copolymer films.

TITLE-TERMS: THICKEN AGENT VARIOUS POLYMER EMULSION CONSIST COLLOID
SILICA

DERWENT-CLASS: A18 A60 E36

CPI-CODES: A08-M06; A10-B03; E31-P03;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

C800 C108 C803 C802 C807 C805 C804 B720 B831 B114

B702 Q140 Q619 M781 R021 R022 R023 R024 M411 M902

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Multipunch Codes: 012 03& 030 034 051 055 056 061 062 063 066 067 070
071 072

074 075 076 077 081 082 117 123 145 229 27& 28& 339 340 347 397 436
477 679 688